

1 Q. **Load Forecast, Generation, and Purchases**

2 Please provide MS excel copies of “Loss Model” and “Load Model”.

3

4

5 A. The revised IC-NLH-084, Attachment 1 provides the requested information for the
6 2018 Test Year, the revised IC-NLH-084, Attachment 2 provides the requested
7 information for the 2019 Test Year. Please refer to Hydro’s response to IC-NLH-082
8 to see the flow of data for the Cost of Service Study.

**NEWFOUNDLAND & LABRADOR HYDRO
SUMMARY OF DEMAND & ENERGY FACTORS**

2018 Forecast	Billing Demand			Coincident kW @					Non-Coincident kW @			
	MWh Sales (A)	Number of Customers (B)	(kW) (C)	Generation	Generation	Transm.	Primary	Secondary	Generation	Transm.	Primary	Secondary
				(D)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
ISLAND INTERCONNECTED												
Newfoundland Light & Power	5,824,500	1	0	6,003,204	1,298,159	1,288,631	-	-	1,342,730	1,332,872	-	-
Praxair	50,800	1	72,000	52,359	5,461	5,280	-	-	6,205	6,000	-	-
Vale Newfoundland	380,900	1	624,000	392,587	47,326	45,760	-	-	53,779	52,000	-	-
Corner Brook Pulp & Paper Co. Li	40,000	1	84,000	41,227	6,371	6,160	-	-	7,240	7,000	-	-
N. Atlantic Refining Ltd.	253,100	1	384,000	260,865	29,124	28,160	-	-	33,095	32,000	-	-
Teck Resources	1,200	1	6,000	1,237	455	440	-	-	517	500	-	-
TOTAL INDUSTRIAL	726,000	5	1,170,000	748,275	88,736	85,800	-	-	100,836	97,500	-	-
Interruptible	-	-	0	-	-	-	-	-	-	-	-	-
1.1 Domestic	104,643	11,400	0	117,768	28,647	27,699	26,276	24,166	35,133	33,971	32,225	29,638
1.12 Domestic All Electric	142,462	8,521	0	160,330	34,802	33,650	31,921	29,358	44,884	43,399	41,169	37,864
1.3 Special	345	1	0	388	127	123	117	107	150	145	138	127
2.1 General Service 0-10 kW	75,733	2,856	217,323	85,232	15,176	14,673	13,919	12,802	21,660	20,944	19,867	18,272
2.2 General Service 10-100 kW	-	-	0	-	-	-	-	-	-	-	-	-
2.3 General Service 110-1,000 kV	56,788	93	186,362	63,896	9,709	9,387	8,905	8,156	15,073	14,575	13,826	12,663
2.4 General Service Over 1,000 k	35,480	9	101,913	39,312	4,782	4,624	4,386	2,913	14,191	13,721	13,016	8,643
4.1 Street and Area Lighting	2,800	953	0	3,151	791	765	725	667	791	765	725	667
Sub-Total Rural	418,250	23,833	505,598	470,076	94,033	90,922	86,250	78,170	131,882	127,519	120,967	107,873
Grand Total	6,968,750	23,839	1,675,598	7,221,555	1,480,928	1,465,353	86,250	78,170	1,575,449	1,557,891	120,967	107,873

**NEWFOUNDLAND & LABRADOR HYDRO
SUMMARY OF DEMAND & ENERGY FACTORS**

ISLAND ISOLATED

1.2 Domestic Diesel	5,194	684	0	5,493	1,601	1,601	1,546	1,463	2,098	2,098	2,026	1,916
1.2G Government Domestic Diesel	-	0	0	-	-	-	-	-	-	-	-	-
1.23 Churches & Schools	280	0	0	296	48	48	46	44	73	73	70	66
2.1 General Service 0-10 kW	721	92	0	763	102	102	98	93	159	159	154	145
2.2 General Service 10-100 kW	839	13	2,961	888	196	196	189	179	295	295	285	269
2.3 General Service 110-1,000 kV	-	0	0	-	-	-	-	-	-	-	-	-
2.5 General Service Diesel	-	0	0	-	-	-	-	-	-	-	-	-
2.5G Government General Service	-	0	0	-	-	-	-	-	-	-	-	-
4.1 Street and Area Lighting	96	38	0	102	29	29	28	26	29	29	28	26
4.1G Government Street Lighting	4	3	0	4	1	1	1	1	1	1	1	1
Total Rural	7,134	830	2,961	7,545	1,976	1,976	1,908	1,805	2,655	2,655	2,563	2,425
<i>Zero check --></i>	-	-	-	0	0	0	0	0	0	0	0	0

LABRADOR ISOLATED

1.2 Domestic Diesel	21,291	2,072	0	22,598	5,540	5,540	5,360	5,088	7,759	7,759	7,506	7,125
1.2G Government Domestic Diesel	561	26	0	595	161	161	156	148	217	217	210	199
1.23 Churches & Schools	1,678	0	0	1,781	81	81	79	75	115	115	111	105
2.1 General Service 0-10 kW	4,309	450	0	4,574	746	746	722	685	1,190	1,190	1,151	1,093
2.2 General Service 10-100 kW	10,671	129	37,008	11,326	1,920	1,920	1,858	1,764	2,624	2,624	2,539	2,410
2.3 General Service 110-1,000 kV	2,080	5	91,009	2,208	107	107	104	99	781	781	755	717
2.4 General Service over 1000 kV	2,377	1	74,009	2,523	142	142	138	131	1,065	1,065	1,030	978
2.5 General Service Diesel	-	0	0	-	-	-	-	-	-	-	-	-
2.5G Government General Service	-	0	0	-	-	-	-	-	-	-	-	-
4.1 Street and Area Lighting	292	90	0	310	87	87	85	80	89	89	86	81
4.1G Government Street Lighting	7	2	0	7	2	2	2	2	3	3	2	2
Total Rural	43,266	2,773	202,026	45,922	8,788	8,788	8,503	8,071	13,841	13,841	13,391	12,711
<i>Zero check --></i>	-	-	-	0	0	0	0	0	0	0	0	0

L'ANSE AU LOUP

1.1 Domestic	4,404	392	0	4,734	1,370	1,370	1,303	1,203	1,753	1,753	1,667	1,540
1.12 Domestic All Electric	11,227	421	0	12,068	2,989	2,989	2,843	2,625	4,196	4,196	3,990	3,685
2.1 General Service 0-10 kW	6,442	76	24,863	6,925	1,366	1,366	1,299	1,200	1,962	1,962	1,866	1,723
2.2 General Service 10-100 kW	-	-	0	-	-	-	-	-	-	-	-	-
2.3 General Service 110-1,000 kV	2,831	8	11,031	3,043	305	305	290	268	1,252	1,252	1,191	1,100
4.1 Street and Area Lighting	52	34	0	56	14	14	13	12	14	14	13	12
Total Rural	24,956	929	35,894	26,826	6,045	6,045	5,748	5,308	9,177	9,177	8,727	8,059

**NEWFOUNDLAND & LABRADOR HYDRO
SUMMARY OF DEMAND & ENERGY FACTORS**

2019 Forecast	Billing Demand			MWH @		Coincident kW @				Non-Coincident kW @			
	MWh Sales	Number of Customers	(kW)	Generation	Generation	Transm.	Primary	Secondary	Generation	Transm.	Primary	Secondary	
	(A)	(B)	(C)	(D)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
ISLAND INTERCONNECTED													
Newfoundland Light & Power	5,833,600	1	0	6,005,328	1,297,608	1,288,105	-	-	1,342,175	1,332,342	-	-	
Praxair	50,800	1	72,000	52,295	5,461	5,280	-	-	6,205	6,000	-	-	
Vale Newfoundland	393,800	1	624,000	405,393	47,326	45,760	-	-	53,779	52,000	-	-	
Corner Brook Pulp & Paper Co. Lt	34,100	1	72,000	35,104	5,461	5,280	-	-	6,205	6,000	-	-	
N. Atlantic Refining Ltd.	263,400	1	384,000	271,154	29,123	28,160	-	-	33,095	32,000	-	-	
Teck Resources	1,200	1	6,000	1,235	455	440	-	-	517	500	-	-	
TOTAL INDUSTRIAL	743,300	5	1,158,000	765,181	87,825	84,920	-	-	99,802	96,500	-	-	
Interruptible	-	-	0	-	-	-	-	-	-	-	-	-	
1.1 Domestic	104,446	11,410	0	117,404	28,436	27,495	26,083	23,989	34,873	33,719	31,987	29,419	
1.12 Domestic All Electric	142,194	8,529	0	159,836	34,545	33,402	31,685	29,142	44,552	43,078	40,865	37,584	
1.3 Special	345	1	0	388	126	122	116	107	149	144	137	126	
2.1 General Service 0-10 kW	73,738	2,858	124,956	82,887	14,653	14,168	13,440	12,361	20,975	20,281	19,239	17,694	
2.2 General Service 10-100 kW	-	-	0	-	-	-	-	-	-	-	-	-	
2.3 General Service 110-1,000 kV	55,306	94	181,512	62,152	9,373	9,063	8,598	7,874	14,595	14,113	13,387	12,261	
2.4 General Service Over 1,000 kV	34,576	9	99,330	38,249	4,614	4,462	4,232	2,781	13,744	13,290	12,607	8,284	
4.1 Street and Area Lighting	2,800	953	0	3,147	791	765	725	667	791	765	725	667	
Sub-Total Rural	413,405	23,853	405,798	464,063	92,538	89,477	84,879	76,920	129,680	125,390	118,947	106,035	
Grand Total	6,990,305	23,859	1,563,798	7,234,572	1,477,972	1,462,502	84,879	76,920	1,571,657	1,554,231	118,947	106,035	

**NEWFOUNDLAND & LABRADOR HYDRO
SUMMARY OF DEMAND & ENERGY FACTORS**

ISLAND ISOLATED

1.2 Domestic Diesel	5,170	681	0	5,468	1,593	1,593	1,538	1,455	2,085	2,085	2,013	1,904
1.2G Government Domestic Dese	-	0	0	-	-	-	-	-	-	-	-	-
1.23 Churches & Schools	280	0	0	296	48	48	46	44	73	73	70	66
2.1 General Service 0-10 kW	717	92	0	758	102	102	98	93	155	155	150	142
2.2 General Service 10-100 kW	836	13	2,961	884	194	194	188	177	292	292	282	267
2.3 General Service 110-1,000 kV	-	0	0	-	-	-	-	-	-	-	-	-
2.5 General Service Diesel	-	0	0	-	-	-	-	-	-	-	-	-
2.5G Government General Service	-	0	0	-	-	-	-	-	-	-	-	-
4.1 Street and Area Lighting	102	38	0	108	30	30	29	27	30	30	29	27
4.1G Government Street Lighting	4	3	0	4	1	1	1	1	1	1	1	1
Total Rural	7,109	827	2,961	7,518	1,968	1,968	1,900	1,797	2,636	2,636	2,545	2,408
<i>Zero check --></i>	-	-	0	0	0	0	0	0	0	0	0	0

LABRADOR ISOLATED

1.2 Domestic Diesel	21,451	2,083	0	22,768	5,602	5,602	5,420	5,145	7,813	7,813	7,559	7,176
1.2G Government Domestic Dese	563	26	0	598	162	162	157	149	224	224	217	206
1.23 Churches & Schools	1,677	0	0	1,780	82	82	79	75	112	112	109	103
2.1 General Service 0-10 kW	4,330	453	0	4,596	754	754	729	692	1,196	1,196	1,157	1,098
2.2 General Service 10-100 kW	10,679	130	37,027	11,335	1,929	1,929	1,867	1,772	2,626	2,626	2,540	2,411
2.3 General Service 110-1,000 kV	2,082	5	9,538	2,210	108	108	104	99	780	780	755	717
2.4 General Service over 1000 kV.	2,377	1	6,138	2,523	143	143	138	131	1,065	1,065	1,030	978
2.5 General Service Diesel	-	0	0	-	-	-	-	-	-	-	-	-
2.5G Government General Service	-	0	0	-	-	-	-	-	-	-	-	-
4.1 Street and Area Lighting	295	90	0	313	88	88	85	81	89	89	86	82
4.1G Government Street Lighting	7	2	0	7	2	2	2	2	3	3	2	2
Total Rural	43,461	2,789	52,703	46,129	8,870	8,870	8,582	8,146	13,908	13,908	13,456	12,773
<i>Zero check --></i>	-	-	0	0	0	0	0	0	0	0	0	0

L'ANSE AU LOUP

1.1 Domestic	4,376	389	0	4,704	1,361	1,361	1,294	1,195	1,747	1,747	1,661	1,534
1.12 Domestic All Electric	11,401	427	0	12,256	3,035	3,035	2,886	2,665	4,265	4,265	4,055	3,745
2.1 General Service 0-10 kW	6,481	76	17,767	6,967	1,374	1,374	1,307	1,207	1,974	1,974	1,877	1,734
2.2 General Service 10-100 kW	-	0	0	-	-	-	-	-	-	-	-	-
2.3 General Service 110-1,000 kV	2,831	7	11,031	3,043	305	305	290	268	1,252	1,252	1,191	1,100
4.1 Street and Area Lighting	53	35	0	57	15	15	14	13	15	15	14	13
Total Rural	25,142	934	28,798	27,027	6,090	6,090	5,792	5,348	9,252	9,252	8,799	8,125